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# State of Utah

## DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER  
Executive Director

### Division of Oil, Gas and Mining

JOHN R. BAZA  
Division Director

## Minerals Inspection Report

Reviewed 

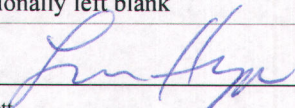
Report Date: 07/15/2014

Mine Name: Bingham Canyon Mine	Permit Number: M/035/0002	Mine Status: Active
Operator Name: Rio Tinto - Kennecott Utah Copper	Inspection Date: August 21, 2013	Permit Fees: Paid
Inspector(s): L Heppler, A Abate, T Nicolaysen	Inspection Time: 8:00 AM	Bond Amount:
Attendee(s): T Lindsay, T Heaton	Weather: Sunny, Dry	Bond Escalation:
Inspection Purpose: Routine annual inspection		Prior Inspection: May 10, 2012

### Conclusions and Recommendations

OGM recommends working on biodiversity of vegetation in areas that have been reclaimed. Updated NOI needs to be submitted with bond calculation. OGM to continue annual inspections and monitor the site when in the area.

Elements of Inspection	Evaluated & Commented	Enforcement
1. <i>Permits, Revisions, Transfer, Bonds</i> Permit fee is up to date, reclamation bond is a Board Contract	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2. <i>Public Safety (shafts, adits, trash, signs, highwalls)</i> Mine site is accessed through a paved road and a full time manned secure entrance. No trash was noted onsite. Highwalls are internal and don't affect public safety	<input checked="" type="checkbox"/>	<input type="checkbox"/>
3. <i>Protection of Drainages/Erosion Control</i> No erosional problems were noted during inspection, several large sediment basins at the toe of the East and South dumps were visited and the basins were properly maintained	<input checked="" type="checkbox"/>	<input type="checkbox"/>
4. <i>Deleterious Material</i> Fuel was properly contained. Kennecott has ongoing South Area cleanup program with principal oversight by DERR	<input checked="" type="checkbox"/>	<input type="checkbox"/>
5. <i>Roads (maintenance, surfacing, dust control, safety)</i> Roads were well maintained and in good condition with water for dust suppression	<input checked="" type="checkbox"/>	<input type="checkbox"/>
6. <i>Reclamation</i> The throat of Bingham Canyon, is undergoing concurrent reclamation	<input checked="" type="checkbox"/>	<input type="checkbox"/>
7. <i>Backfilling/Grading (trenches, pits, roads, highwalls, shafts)</i> Upper dumps in the throat of Bingham Canyon are being pushed down to 2.5H:1V in preparation for topsoil. Old railroad grade has been nicely recontoured and looks great. See attached photos	<input checked="" type="checkbox"/>	<input type="checkbox"/>
8. <i>Soils</i> No soil stockpiles are noted at the time of inspection. Soil is salvaged and placed directly onto dumps.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
9. <i>Revegetation</i> Vegetation is dominantly a variety of grasses. Railroad grade seeded in the fall of 2013	<input checked="" type="checkbox"/>	<input type="checkbox"/>
10. <i>Other</i> This line is intentionally left blank	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Inspector's Signature: 

CC: Chris Kaiser - Kennecott

File: /nrwogmfs1/OGM/GROUPS/MINERALS/WP/M035-SaltLake/M0350002-BinghamPit/inspections/INSP-08212013.pdf





Railroad grade reclamation



Railroad grade reclamation



Railroad grade reclamation



Railroad grade reclamation





Overview of mine site - top os east dumps



Overview of mine site - top of south dumps



Overview of mine site - top of north side dumps



Overview of mine site - top of throat of Bingham Canyon dumps and 2013 pit slide